

## --- HIGHWAYS DIVISION ---



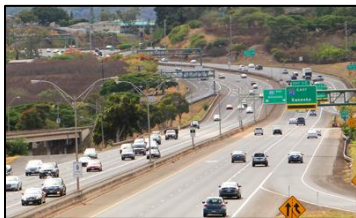
### **H-1 Freeway Rehabilitation Project, Kalihi to Makiki**

Work on the \$42 million H-1 Rehabilitation Project began in Sept. 2013 and will address deteriorated pavement sections up to 12-inches deep. This project will improve traffic congestion by adding a fourth lane in each direction. Other improvements include upgraded highway lighting, median glare screens, drainage, the widening of Nuuanu Stream Bridge. Completion date is set for summer 2014.



### **H-1 Freeway Pavement Resurfacing, Aiea & Halawa Interchanges**

All H-1 Freeway lanes were resurfaced in both directions between Aiea and Salt Lake, including the eastbound connector ramp between the H-1 and H-3 Freeways and continuing on towards the H-201 Moanalua Freeway near Red Hill. Work was performed during night hours to minimize traffic disruptions through this busy corridor. The resurfacing provides a smooth riding surface at an approximate cost of \$6.16M.



### **H-201 Moanalua Freeway Resurfacing, Aiea to Halawa**

All lanes were resurfaced from the start of the H-201 in Aiea to the H-3 Freeway Underpass in Halawa at an approximate cost of \$4.1M. This project continued the work of the resurfacing of the H-1 Freeway Aiea and Halawa Interchanges and included both the eastbound entrance from and westbound exit to Kamehameha Highway in Aiea. Resurfacing also continued in Aiea on Kamehameha Highway towards Pearlridge.



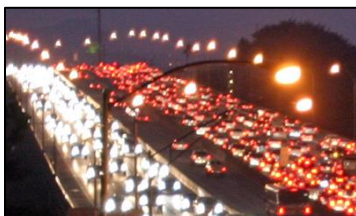
### **H-1 Freeway Kapolei Interchange Complex, Phase I**

Phase I opened new exit and entrance ramps in both directions and the new Wakea Street Extension, which connects the area's main arteries of Farrington Hwy. Kamokila Blvd. and Kalaheo Blvd., in anticipation of continued population growth in the West Oahu region. 94-percent of the \$18.7M cost was provided by federal funding. Future phases will include more ramps linking major roadways to balance the distribution of traffic.



### **H-1 Freeway Pearl City Viaduct Deck Repairs / PM Contraflow**

H-1 Pearl City viaduct deck repairs have been completed in the westbound direction and work continues in the eastbound lanes. The PM Contraflow lane is being reevaluated and a decision is pending. The project will add an additional right lane in the westbound direction between Waimalu and Waipahu and another from the H-1/H-2 Split to Waikale to help address afternoon rush-hour congestion.



### **Copper Theft Repairs On H-1, H-2 Freeways**

Approximately 84,000 feet of copper wiring was reinstalled in highway street lighting on the H-1, from Makakilo to Kunia, and the H-2, from Waiawa to Wahiawa, at an approximate cost of \$3.12M. These repairs were necessary to undo the damage done by a ring of copper thieves which had stolen wiring repeatedly from these areas, knocking out power for a period of roughly seven years.

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### **H-1 Freeway Restriping, Pali Highway to Punahou Street**

The H-1 was restriped in both directions to add an additional fourth lane to provide better traffic flow and reduce congestion through this busy corridor in July 2012. An additional westbound lane was created from Punahou Street to Pali Highway and an additional eastbound lane from Ward Avenue to Keeaumoku Street. The restriping was part the DOT's commitment to address congestion with cost-effective solutions.



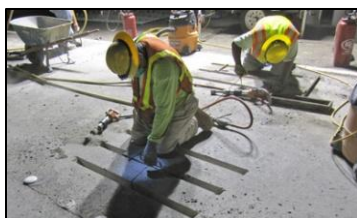
### **H-201 Moanalua Freeway Westbound Restriping, Halawa to Aiea**

Following the resurfacing of the H-201 from Halawa to Aiea, the westbound lanes were restriped to create an additional exit lane to Aiea and Pearlridge to help improve afternoon rush-hour traffic congestion. Lane modifications through restriping, adding through lanes in key bottleneck locations, can be a low-cost alternative to traditional highway widening projects.



### **Fort Weaver Road Lane Modifications**

Southbound lanes on Fort Weaver Road were restriped in Nov. 2013 to add an additional lane to increase traffic capacity and improve traffic flow over 1/2-mile from the H-1 Freeway to Laulaunui Street. The restriping was part the DOT's commitment to address congestion with cost-effective solutions. The \$75,000 project used highway maintenance funds and was completed in less than three weeks.



### **H-1 Freeway Dowel Retrofit Pavement Preservation**

Pavement preservation projects were completed on the H-1 from University to Kahala and from Makakilo to Kunia to extend the life of the existing concrete. Pavement joints between concrete slabs were reinforced with thick steel rods to allow them to better withstand the constant weight and force of passing vehicles. The \$5.64M project was completely funded by federal ARRA funds.



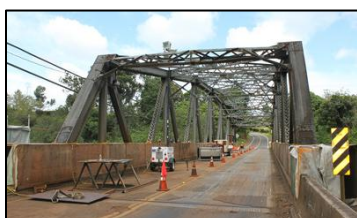
### **Kamehameha Highway Resurfacing, Aiea to Pearlridge**

Work continued in Aiea with the resurfacing of all lanes on Kamehameha Highway from the H-201 Moanalua Freeway entrance and exit ramps, west to Pali Momi Street. Numerous potholes and asphalt patches in both directions were repaired through this busy corridor, giving motorists a smoother ride. Kamehameha Highway is a major bus route through this entire area.



### **Nimitz Highway Beautification**

Fiji palms, 163 coconut trees, two acres of Saint Augustine grass and a new irrigation system were installed over 1.25-miles of Nimitz Highway between Sand Island Access Road and the vicinity of Alakawa Street to beautify one of the main corridors used by visitors from the airport to Waikiki. Sustainability, durability and the creation of a unique Hawaii sense of place were key design elements at a cost of \$1.3M.



### **Karsten Thot Bridge Structural Repairs In Wahiawa**

Emergency repairs to the steel bridge structure were completed in Dec. 2012 after approximately two months of work. Repairs included the removal and replacement of 4,000 rivets with steel bolts and the replacement of 3,400 pounds of gusset plates under the bridge. Load limits for the bridge were returned to the previous 22-ton limit. Anti-corrosive metal coating was also applied at a later date.

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### **H-1 Kinau Street Exit Right-Turn Lane**

As part of a joint project with The Queen's Medical Center, a right-turn lane was added to the H-1 Freeway Kinau Street off-ramp to provide a more direct route for ambulances to reach the hospital's emergency wing. An estimated three or more minutes is saved through this congested area during emergency transports when seconds could mean the difference between life and death.



### **Kamehameha Highway Bridge Replacements**

The 85-year-old North Kahana Stream Bridge and the 86-year-old South Punaluu Stream Bridge were replaced with new concrete structures that meet modern construction and highway safety standards at a cost of \$13.3M and \$14.6M, respectively. Both bridges were also widened to provide larger shoulder lanes for vehicle breakdowns and improve pedestrian and bicycle safety.



### **Aiea Pedestrian Overpass Repaired**

Crews hoisted a 35-foot-long, 5-ton concrete bridge section back into place at an Aiea pedestrian overpass in Oct. 2012, after a segment of the bridge was knocked down by truck carrying an oversized load. DOT engineers inspected the concrete section and determined that it remained structurally sound. It was rehabilitated and placed back into service, reopening the vital crossing to Aloha Stadium.

## **--- Programs & Initiatives ---**



### **Freeway Service Patrol (FSP) Expands Coverage**

Launched in 2009, the popular FSP has since expanded its coverage zone twice, adding ten additional miles, west to Kunia and east to Waialae, and two miles on the H-2 to Waipio. 90-percent of the program is federally-funded. Studies showed that for every dollar spent on the program, almost eight dollars in benefits in terms of reduction in delays, fuel savings, and decreases in emissions are realized by motorists.



### **GoAkamai Mobile Apps, 511 Phone System Launched**

GoAkamai apps for iPhone, iPad and Android mobile devices were launched in Aug. 2013, followed by the 511 GoAkamai by Phone system in Nov. Users can get current traffic information, drive times and public transportation info using the apps or by dialing the 511 interactive voice response system. GoAkamai is a cooperative program between the DOT and the City & County of Honolulu's Dept. of Transportation Services.



### **Pedestrian Safety Month**

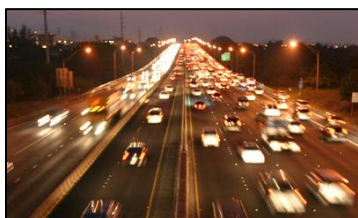
DOT's Walk Wise Hawaii program launched the 4<sup>th</sup> Annual Pedestrian Safety Month in Aug. 2013, promoting and educating residents and visitors on pedestrian safety and driver awareness of pedestrians, with the ultimate goal of saving lives. The Walk Wise Hawaii campaign, in conjunction with law enforcement and safety engineering, is helping to reduce pedestrian fatalities and accidents statewide.

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### **Beat The School Jam**

As part of DOT's annual "Beat the School Jam" campaign, major construction was postponed during daylight hours on major highways to alleviate traffic congestion during the week when approximately 51,900 university, college, and private school students begin their fall semesters. In conjunction with BTSJ, DOT launched its GoAkamai mobile apps to give motorists a great new tool to find current traffic information.



### **New Vehicle Safety Inspection Program Launched**

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### **Click It Or Ticket**

DOT and the four county police departments remind everyone to buckle up every day, day or night, with the annual "Click It or Ticket" seat belt enforcement campaign. In an effort to have drivers and passengers better protect themselves in the event of a motor vehicle crash, police statewide will be stepping up enforcement of the state seat belt and child passenger restraint laws day and night, year-round.



### **Child Passenger Safety Week**

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### **Hawaii Fully Compliant With Real ID Standards**

Hawaii's enhanced requirements for Drivers Licenses and State Identification Cards were deemed fully-compliant with the Real ID Act of 2005, following a certification by the Dept. of Homeland Security. New identification requirements to prove "Legal Presence," confirming that a person is either a US citizen or is legally authorized to be in the United States, took effect in Hawaii to conform to Real ID Act standards.



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Oversight of the State Identification Card Program was transferred from the Dept. of the Attorney General to DOT in Jan. 2012. The DOT program is now administered by Honolulu, Maui, Hawaii, and Kauai counties, and gives users 15 different Drivers License locations at which to get their State Identification Cards. The new system was established to meet Federal standards set by the Real ID Act of 2005.

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### **Hawaii Scenic Byways**

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### **Construction Career Days**

Nearly 900 students from 20 Big Island schools took part in 2012's Construction Career Days event, which offers career guidance from construction industry, trade and educational representatives. Students received hands-on experience with heavy equipment and trade tools. The semi-annual event moves from island to island to maximize its outreach to high school and college students statewide.



### **Ahupuaa Boundary Markers**

In cooperation with community partners, cultural organizations and the City & County of Honolulu, HDOT developed an Ahupuaa Boundary Marker program to install informational road signs as part of the department's effort to add local context to our state roads. Many state highways follow the same routes as ancient Hawaiian transportation networks over 1,000 years old.

## **--- AIRPORTS DIVISION ---**



### **Airport Energy Savings Program**

12 state airports will be modernized with the latest in energy-efficient and green technology to cut energy use by 49-percent, saving at least \$518 million in energy costs, over the next 20 years. The project will replace 372 transformers and 74,500 light fixtures, install 9,100 solar photovoltaic panels; and include upgrades and replacements of chilled water and air conditioning systems and installations of smart controls.



### **Honolulu International Airport New Day Work Projects**

DOT's Airports Division kicked off the largest series of improvement projects in more than 20 years. Work is underway on cargo and maintenance hangars, an employee parking lot, and roadway and site improvements that will pave the way for the Diamond Head Commuter Terminal. A new Mauka Concourse will be built, along with a Consolidated Rental Car facility and taxi lane widening improvements.



### **Honolulu International Airport Ticketing Lobby Renovations**

Renovations were completed at ticketing lobbies 5, 7 and 8, modernizing the interior space with vibrant, colorful glass, reflecting Hawaii's unique cultural and natural environment in the design. The renovated Lobby 8 design includes a bright back wall made of blue cast glass depicting the Pacific Ocean, Lobby 7 uses red glass depicting lava flows and Lobby 5 uses green glass overhead depicting Hawaii's palm trees and native flora.

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### **Airport Firefighter Recruit Class Graduations**

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### **Honolulu International Airport Emergency Power Facility**

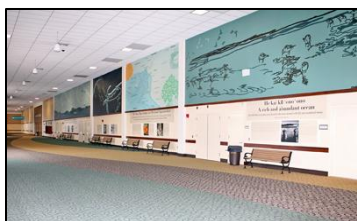
Groundbreaking for this facility occurred in October 2011 with project completion expected in summer 2014, the public-private partnership with Hawaiian Electric Company will provide power for the airport's critical needs in the event of a major power outage. Power generated at the facility will be used for HECO's regular customers during non-emergency times.

## **--- HARBORS DIVISION ---**



### **New Harbor Police Patrol Boat Launched**

A new 27-foot, aluminum-hull Harbor Police patrol boat was christened *Kiaiaawa*, meaning "harbor guardian," in July 2013. The new vessel will patrol both Honolulu and Kalaheo Barbers Point Harbors and features upgraded equipment, including better radar, GPS and depth-finding devices. It is also equipped with a closed-cabin and shock-absorbing seats to minimize impacts in rough water conditions.



### **Pier 2 Cruise Ship Terminal Improvements**

Improvements to Honolulu Harbor's Pier 2 Cruise Ship Passenger Terminal were completed in June 2012. The project improved traffic circulation, passenger signage and interior aesthetics. Project designers focused on showcasing Hawaii's rich cultural heritage through murals and storyboards designed to educate visitors and enhance their overall travel experience.



### **Kapalama Container Terminal Project EIS**

This project proposes to develop a 90-acre container terminal at the former Kapalama Military Reservation (KMR). Terminal capacity at Honolulu Harbor, the hub of the state commercial harbors system, has not been substantially expanded in many years. The new container terminal is planned to handle current and projected cargo volumes and is the subject of the *Kapalama Container Terminal* EIS. The EIS is ongoing.

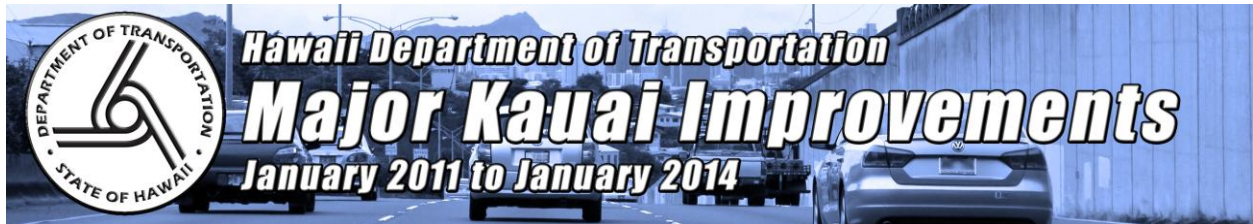


### **Pier 29 Container Yard Reconstruction Completed**

As the first harbor project nationally to receive TIGER grant funding, the Pier 29 project restored approximately 12 acres of upgraded cargo space to increase operational efficiency and workplace safety at Honolulu Harbor. New drainage, water, lighting, sewer, fire protection and electrical systems were also installed, increasing cargo capacity by creating more space for additional container ships and commerce.

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### --- HIGHWAYS DIVISION ---



#### **Kapule Highway Resurfacing Complete**

DOT completed the Kapule Highway Resurfacing Project in Aug. 2013, resurfacing 1.3 miles of highway from Ahukini Road to Kuhio Highway with a more durable concrete known as ultrathin white topping. The \$6.2 million project was 80-percent federally funded. Work included resurfacing, new bike lanes in both directions, and utility and road maintenance installations.



#### **Kaumualii Highway Widening, First Phase Complete**

Nearly two miles of highway widening from two-to-four-lanes from Anonui Road to the Lihue Mill Bridge was completed in Sept. 2012. New bike lanes and sidewalks were added to help keep cyclists and pedestrians safe. Work is underway on the next phase which will continue the widening east to Rice Street and include the construction of a new bridge structure.

### --- Programs & Initiatives ---



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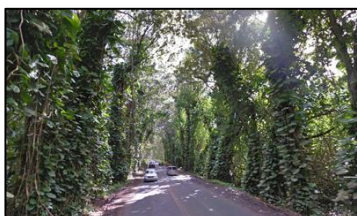
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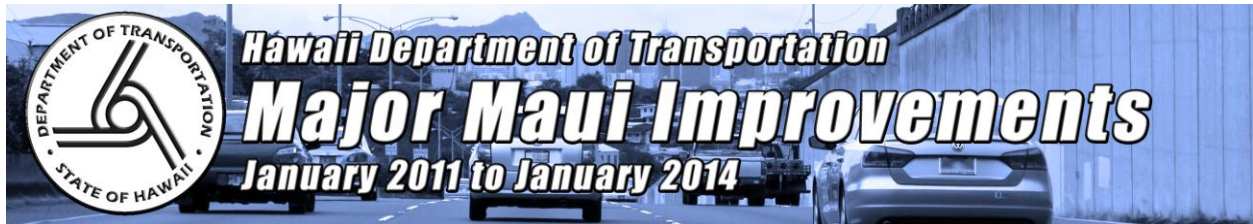
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### --- HIGHWAYS DIVISION ---



#### **Lahaina Bypass Highway, Phase 1B-1 Opens**

The second phase of the Lahaina Bypass Highway, officially known as the Honoapiilani Highway Realignment, Phase 1B-1, was opened in Dec. 2013. With the opening of this 1.7-mile segment from Lahainaluna Road to Hokiokio Place, the Lahaina Bypass now covers a total of 2.5 miles and includes the award-winning Kahoma Stream Bridge. Completed segments are opened for use to provide immediate traffic relief.



#### **Kawela Stream Bridge Replacement On Molokai**

Work continues on the Kawela Stream Bridge Replacement Project on Molokai's Kamehameha V Highway. The \$6 million project will replace the existing bridge, originally constructed in 1940, with a new bridge that meets modern seismic and hydraulic standards. The new bridge will be 21-feet longer, 19-feet wider and 2-feet higher than the current bridge and provide 10-foot shoulders on either side for pedestrians and bicyclists.



#### **Lahaina Bypass Highway, Phase 1A Opens**

The first phase of the Lahaina Bypass Highway and award-winning Kahoma Stream Bridge were opened in March 2013, completing approximately one mile of the new highway, linking Keawe Street to Lahainaluna Road. It included the exceptional design of the Kahoma Stream Bridge which incorporates an inverted arch to preserve the community's scenic view planes.

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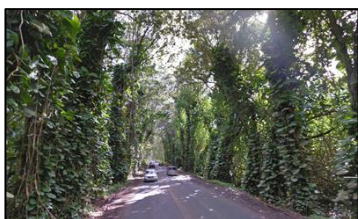
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### **Kahului Airport Security Screening Checkpoints Expanded**

In collaboration with the Transportation Security Administration (TSA) and the Airlines Committee of Hawaii (ACH), DOT opened a new security screening checkpoint at Kahului Airport in Dec. 2012. The new checkpoint increased the total number of passenger screening lanes from six to nine. As a result of the collaborative efforts of the DOT, TSA and ACH, the project was completed in less than seven months.



### **Lanai Airport Aircraft Rescue & Fire Fighting Facility Opens**

Completed in Aug. 2012, the new facility brings Lanai Airport into compliance with Federal Aviation Administration (FAA) regulations. Funded by a \$5.6 million Airport Improvement Program FAA grant along with \$805,000 in state funds, the new facility has two truck bays, a trailer bay a fueling area, improved work and living areas for firefighters, office space, three dorm rooms and a workout area.



### **Hana Airport Runway Lighting Replacement Project**

This airfield lighting improvements project removed and replaced all electrical wiring, runway and taxiway light fixtures and replaced wind cones at an approximate cost of \$900,000. Work was completed in Sept. 2013 to maintain this vital link to remote Hana Town. A medivac plan was in place during the project, allowing an alternate landing zone for medical helicopters for emergency situations.

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### **Newest Saddle Road Segment Opened, Renamed For Sen. Inouye**

The newest 9-mile section of the former Hawaii Saddle Road, from Mile Post 42 to Mamalahoa Highway was opened in Sept. 2013, marking the completion of 41 miles of highway built since the project started construction in 2004. In honor of Sen. Inouye's vision and dedication to the project, the 2013 Legislature passed a resolution to rename the 41-mile upgraded section to the "Senator Daniel K. Inouye Highway."

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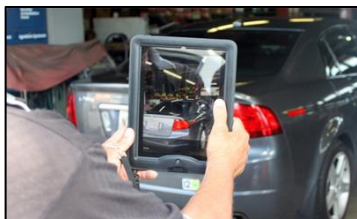
### **Pedestrian Safety Month**

DOT's Walk Wise Hawaii program launched the 4<sup>th</sup> Annual Pedestrian Safety Month in Aug. 2013, promoting and educating residents and visitors on pedestrian safety and driver awareness of pedestrians, with the ultimate goal of saving lives. The Walk Wise Hawaii campaign, in conjunction with law enforcement and safety engineering, is helping to reduce pedestrian fatalities and accidents statewide.



### **Pedestrian Safety Master Plan**

DOT continues work on its award-winning Statewide Pedestrian Master Plan that aims to increase pedestrian mobility and safety and reduce pedestrian related traffic fatalities. The plan supports a multi-modal transportation system and provides guidance for implementing pedestrian initiatives. It identifies critical needs of our highway system, including safety improvements or repairs, and develops projects to address them.



### **New Vehicle Safety Inspection Program Launched**

DOT launched a new vehicle safety inspection program in Nov. 2013, creating an efficient and secure method of keeping vehicle information. The new system uses iPads and wireless networking, eliminating the obsolete and cumbersome paper-based monthly reporting by inspection stations to provide immediate recordation and proof of vehicles' current inspection results.



### **Click It Or Ticket**

DOT and the four county police departments remind everyone to buckle up every day, day or night, with the annual "Click It or Ticket" seat belt enforcement campaign. In an effort to have drivers and passengers better protect themselves in the event of a motor vehicle crash, police statewide will be stepping up enforcement of the state seat belt and child passenger restraint laws day and night, year-round.

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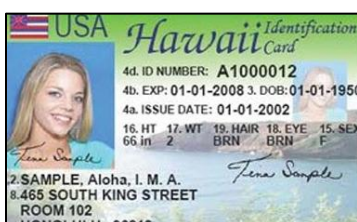
### Child Passenger Safety Week

Child Passenger Safety Week in Hawaii was launched with a proclamation signing by Gov. Neil Abercrombie, along with the four county police departments, the Keiki Injury Prevention Coalition and DOT. Hawaii's annual observance coincides with National Child Passenger Safety Week which emphasizes the importance of child safety seat use, booster seat laws and properly buckling up our keiki.



### Hawaii Fully Compliant With Real ID Standards

Hawaii's enhanced requirements for Drivers Licenses and State Identification Cards were deemed fully-compliant with the Real ID Act of 2005, following a certification by the Dept. of Homeland Security. New identification requirements to prove "Legal Presence," confirming that a person is either a US citizen or is legally authorized to be in the United States, took effect in Hawaii to conform to Real ID Act standards.



### State Identification Card Available At Multiple Locations

Oversight of the State Identification Card Program was transferred from the Dept. of the Attorney General to DOT in Jan. 2012. The DOT program is now administered by Honolulu, Maui, Hawaii, and Kauai counties, and gives users 15 different Drivers License locations at which to get their State Identification Cards. The new system was established to meet Federal standards set by the Real ID Act of 2005.



### Hawaii Scenic Byways

DOT's Scenic Byways Program showcases roads throughout Hawaii that have stories to tell to both local residents and visitors. These roads hold archaeological, cultural, historic, natural, recreational and/or scenic qualities of statewide and national significance. Three byways on the Big Island and one on Kauai were designated in 2012, followed by one more Big Island route and three on Oahu in 2013.



### Construction Career Days

Nearly 900 students from 20 Big Island schools took part in 2012's Construction Career Days event, which offers career guidance from construction industry, trade and educational representatives. Students received hands-on experience with heavy equipment and trade tools. The semi-annual event moves from island to island to maximize its outreach to high school and college students statewide.

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## --- AIRPORTS DIVISION ---



### **Airport Energy Savings Program**

12 state airports will be modernized with the latest in energy-efficient and green technology to cut energy use by 49 percent, saving at least \$518 million in energy costs, over the next 20 years. The project will replace 372 transformers and 74,500 light fixtures, install 9,100 solar photovoltaic panels; and include upgrades and replacements of chilled water and air conditioning systems and installations of smart controls.



### **Hilo International Airport Parking Lot Improvements**

Construction to improve the flow of traffic in and around the Hilo International Airport was completed in Oct. 2013. Improvements included the relocation of the parking lot entrance, widening of the exit lanes and construction of a ticket booth. The new ticket booth allows for an option to prepay for parking, making air travel to and from Hilo International simpler and more accommodating.



### **New Kona International Airport Air Traffic Control Tower Opens**

The new Federal Aviation Administration (FAA) Air Traffic Control Tower was dedicated in May 2013. It provides improved visibility over all movement areas and air traffic patterns and replaces the previous tower which had served Kona International since July 1970. Construction on the new tower began in December 2009 at an approximate cost of \$34.86 million, completely funded by the FAA.



### **Kona International Aircraft Rescue & Fire Fighting Station**

In May 2013, ground was broken for a new 24,000 square-foot KOA Aircraft Rescue and Fire Fighting (ARFF) station. It will include two truck bays, a trailer bay and a fueling area, along with improved work and living areas for firefighters, office space, dorm rooms and a workout area. The new station will replace the existing ARFF station, originally built in 1980. This project is expected to be completed in 2014.



### **Airport Firefighter Recruit Class Graduations**

In 2012 and 2013, 27 state firefighters graduated from the joint federal-state Aircraft Rescue and Fire Fighting (ARFF) program after 22 weeks of extensive training. The graduates then went on to continue their field training with experienced professionals at state ARFF stations across the islands. These men and women are trained to respond to all airport emergencies from medical calls to fires to plane crashes.



### **Hilo Airport Cargo Facility Under Construction**

Expected to be completed in 2014, the 63,000 square foot cargo building and light industrial facility will serve the needs of the East Hawaii community, making the work of cargo handling companies and freight forwarders more efficient and convenient. In addition to cargo operations, the facility will include office space for agencies that oversee freight activities and the state Department of Agriculture.

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### **--- HARBORS DIVISION ---**



#### **Kawaihae Commercial Harbor Modernization**

This three-acre cargo terminal improvements project includes paving, modern lighting, drainage and fire protection along with a new comfort stations and Harbors Divisions office trailer. Anticipated to be complete in 2014, the new cargo yard will help improve efficiency at Hawaii's island fastest growing commercial port that serves the island's growing west side community.



#### **Hilo Harbor Cargo Inter-Island Cargo Terminal**

Construction broke ground in Aug. 2011 and is underway for the Hilo Harbor Cargo Terminal project that includes harbor dredging, a new cargo pier, a cargo yard, and entrance roadway widening and improvements. This project is needed to separate cargo and cruise ship activities and to expand usable space for continuing cargo and visitor growth.

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